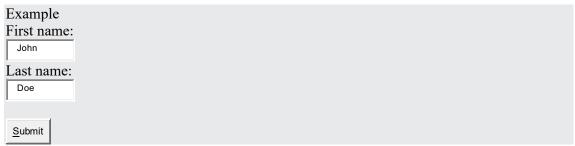
HTML Forms

An HTML form is used to collect user input. The user input is most often sent to a server for processing.



The <form> Element

The HTML < form > element is used to create an HTML form for user input:

<form>

form elements

. </form>

The <form> element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

The <input> Element

The HTML <input> element is the most used form element.

An <input> element can be displayed in many ways, depending on the type attribute.

Here are some examples:

Туре	Description
<input type="text"/>	Displays a single-line text input field
<input type="radio"/>	Displays a radio button (for selecting one of many choices)
<input type="checkbox"/>	Displays a checkbox (for selecting zero or more of many choices)
<input type="submit"/>	Displays a submit button (for submitting the form)
<input type="button"/>	Displays a clickable button

Text Fields

The <input type="text"> defines a single-line input field for text input.

A form with input fields for text:

```
<form>
<label for="fname">First name:</label><br>
<input type="text" id="fname" name="fname"><br>
<label for="lname">Last name:</label><br>
<input type="text" id="lname" name="lname"></form>
```

This is how the HTML code above will be displayed in a browser:

First name:

Last :	name
--------	------

Note: The form itself is not visible. Also note that the default width of an input field is 20 characters.

The <label> Element

Notice the use of the label element in the example above.

The label tag defines a label for many form elements.

The element is useful for screen-reader users, because the screen-reader will read out loud the label when the user focus on the input element.

The element also help users who have difficulty clicking on very small regions (such as radio buttons or checkboxes) - because when the user clicks the text within the element, it toggles the radio button/checkbox.

The for attribute of the tag should be equal to the id attribute of the <input> element to bind them together.

Radio Buttons

The <input type="radio"> defines a radio button.

Radio buttons let a user select ONE of a limited number of choices.

Example

A form with radio buttons:

```
Choose your favorite Web language:
```

This is how the HTML code above will be displayed in a browser:

Choose your favorite Web language:

```
HTML
```

CSS

JavaScript

Checkboxes

The <input type="checkbox"> defines a checkbox.

Checkboxes let a user select ZERO or MORE options of a limited number of choices.

Example

A form with checkboxes:

```
<form>
  <input type="checkbox" id="vehicle1" name="vehicle1" value="Bike">
  <label for="vehicle1"> I have a bike</label><br>
  <input type="checkbox" id="vehicle2" name="vehicle2" value="Car">
  <label for="vehicle2"> I have a car</label><br>
  <input type="checkbox" id="vehicle3" name="vehicle3" value="Boat">
  <label for="vehicle3"> I have a boat</label>
  </form>
```

This is how the HTML code above will be displayed in a browser:

☐ I have a bike
☐ I have a car
☐ I have a boat
The Submit Button
The <input type="submit"/> defines a button for submitting the form data to a form-handler.
The form-handler is typically a file on the server with a script for processing input data.
The form-handler is specified in the form's action attribute.
Example
A form with a submit button:
<form action="/action page.php"></form>
<a href="label</td></tr><tr><td><input type=" id="fname" name="fname" text"="" value="John">
<label for="lname">Last name:</label>
<input id="lname" name="lname" type="text" value="Doe"/>
<input type="submit" value="Submit"/>
This is how the HTML code above will be displayed in a browser:
First name:
John
Last name:
Doe
Submit
The Name Attribute for <input/>
Notice that each input field must have a name attribute to be submitted.
If the name attribute is omitted, the value of the input field will not be sent at all.
Example
This example will not submit the value of the "First name" input field:
<form action="/action page.php"></form>
<a fname"="" href="label for=">First name: label >
<input id="fname" type="text" value="John"/>
<input type="submit" value="Submit"/>
Exercise:
In the form below, add an input field with the type "button" and the value "OK".
<form></form>
>